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jc843 U.S. PTO
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UTILITY PATENT APPLICATION TRANSMITTAL LETTER

Enclosed herewith for filing are:

- 1) The utility patent application of John C. Vellinger, Kenneth W. Barton, Mark E. Wells, and Mark S. Deuser, including specification, drawings, and claims;
- 2) Unexecuted Declaration and Power of Attorney;
- 3) Abstract of the Invention;
- 4) Express Mail Certificate;
- 5) Fifteen (15) sheets of informal drawings (Figs 1-16); and
- 6) A return postcard showing receipt of the above items.

Please process this application.

Respectfully submitted,

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Vellinger et al.)
Filed: Simultaneously Herewith) Examiner:
Serial No:) Group Art Unit:
For: BIOREACTOR APPARATUS AND CELL)
CULTURING SYSTEM)
Atty. Docket No.: AA206/98001)

Assistant Commissioner for Patents
Box NEW APPLICATION
Washington, D.C. 20231

Dear Sir:

EXPRESS MAIL CERTIFICATE

"Express Mail" Mailing Label Number EL 333 999 486 US

Date of Deposit Oct. 25, 2001

I hereby certify that the attached U.S. utility Patent Application with specification and claims, 15 sheets of drawings; Abstract, unexecuted Declaration and Power of Attorney, and return postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Box New Application, Washington, D.C. 20231.

David Carithers
(Typed or printed name of person mailing paper or fee)

David D. Carithers
(Signature of person Mailing paper or fee)